

Metal Tank (Heavy Gauge) Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
332420, Metal tank (heavy gauge) manufacturing	2002..	597	665	30 983	1 183 474	22 716	45 038	757 539	2 592 543	2 151 348	4 771 488	'105 313
	2001..	N	N	28 458	1 087 451	20 592	41 396	667 786	2 567 559	1 963 932	4 524 336	93 239
	2000..	N	N	30 432	1 168 146	22 046	45 990	719 438	2 478 746	2 223 135	4 672 076	115 912
	1999..	N	N	33 414	1 228 442	24 054	49 597	761 627	2 482 507	2 363 291	4 890 993	133 415
	1998..	N	N	32 556	1 155 777	23 643	48 789	706 162	2 494 459	2 316 133	4 800 714	125 843
	1997..	552	610	33 300	1 129 336	23 961	48 872	697 464	2 394 902	2 320 414	4 703 647	122 434

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332420, Metal tank (heavy gauge) manufacturing												
United States	2	665	348	30 983	1 183 474	22 716	45 038	757 539	2 592 543	2 151 348	4 771 488	1'105 313
Alabama	—	19	7	760	26 855	514	1 104	18 335	59 993	65 263	126 972	14 183
Arizona	4	12	2	164	4 557	122	255	2 628	9 703	7 076	16 789	1'220
California	2	59	31	1 979	80 430	1 487	2 958	53 213	200 521	151 886	359 655	16 986
Connecticut	4	6	2	117	4 948	74	164	2 417	8 303	9 206	17 682	1'204
Florida	2	22	9	613	22 890	438	918	12 235	48 608	30 539	78 890	1'973
Georgia	4	23	11	936	35 757	691	1 395	22 669	109 873	96 903	203 128	1'272
Idaho	4	7	4	214	7 454	163	324	4 824	15 468	10 434	25 769	1'268
Illinois	2	25	12	854	32 048	662	1 397	21 453	69 668	54 131	122 966	15 390
Indiana	—	23	14	1 157	39 328	901	1 691	27 810	84 298	66 607	149 913	1'824
Iowa	—	10	6	643	24 215	495	1 014	17 459	147 877	50 030	199 489	1'391
Kansas	—	12	8	618	22 804	412	856	11 553	52 694	64 210	114 902	1'421
Kentucky	1	16	10	1 144	36 208	523	1 061	15 132	121 283	76 613	198 579	1'637
Louisiana	3	20	13	959	34 672	780	1 744	25 699	65 930	65 813	130 005	16 120
Massachusetts	6	6	4	674	27 930	466	949	14 944	65 806	47 933	111 726	1'457
Michigan	7	14	4	174	7 442	105	223	3 885	25 479	16 538	42 271	1'619
Minnesota	3	13	9	1 074	42 921	723	1 417	26 173	83 864	69 051	152 754	1'042
Missouri	1	17	8	1 335	54 696	847	1 785	27 205	86 729	58 188	144 366	15 180
New Jersey	2	16	8	534	23 561	384	776	14 564	43 715	43 563	87 309	14 742
New Mexico	—	7	3	302	11 198	214	404	6 960	27 206	12 620	33 473	1'895
New York	6	18	5	547	23 233	418	850	14 608	45 767	21 626	67 618	1'022
North Carolina	1	16	10	516	16 647	396	734	10 808	49 387	36 581	85 637	1'773
Ohio	—	27	10	3 132	122 091	2 763	4 611	100 031	167 745	182 913	364 574	10 581
Oklahoma	—	24	14	1 452	57 699	909	1 648	29 035	85 754	146 572	233 949	12 147
Oregon	1	8	3	158	6 610	120	277	4 124	11 775	10 556	23 533	1'854
Pennsylvania	1	36	24	2 224	88 929	1 577	3 327	53 604	198 591	128 068	330 051	18 544
South Carolina	4	4	3	177	7 030	137	260	4 002	15 569	11 478	27 250	D
Tennessee	—	20	13	1 119	37 453	842	1 568	23 963	80 582	106 106	201 509	16 154
Texas	—	81	43	2 615	100 465	2 070	4 439	69 137	195 265	198 592	393 111	10 258
Washington	6	11	5	207	8 127	154	312	5 001	19 178	7 247	25 715	1'135
Wisconsin	2	29	18	1 806	71 600	1 236	2 444	45 028	136 000	111 942	247 329	14 756

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332420, Metal tank (heavy gauge) manufacturing	
Companies ¹	number.. 597
All establishments ²	number.. 665
Establishments with 1 to 19 employees	number.. 317
Establishments with 20 to 99 employees	number.. 267
Establishments with 100 employees or more	number.. 81
All employees ³	number.. 30 983
Total compensation	\$1,000.. 1 460 372
Annual payroll	\$1,000.. 1 183 474
Total fringe benefits	\$1,000.. 276 898
Production workers, average for year	number.. 22 716
Production workers on March 12	number.. 23 106
Production workers on May 12	number.. 22 863
Production workers on August 12	number.. 22 205
Production workers on November 12	number.. 22 630
Production worker hours	1,000.. 45 038
Production worker wages	\$1,000.. 757 539
Total cost of materials	\$1,000.. 2 151 348
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 825 887
Resales	\$1,000.. 84 998
Purchased fuels	\$1,000.. 21 017
Purchased electricity	\$1,000.. 39 174
Contract work	\$1,000.. 180 272
Quantity of electricity purchased for heat and power	1,000 kWh.. 606 403
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 1 944
Total value of shipments	\$1,000.. 4 771 488
Primary products value of shipments	\$1,000.. 4 219 042
Secondary products value of shipments	\$1,000.. 323 297
Total miscellaneous receipts	\$1,000.. 229 149
Value of resales	\$1,000.. 102 643
Contract receipts	\$1,000.. 33 459
Other miscellaneous receipts	\$1,000.. 93 047
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 4 432 904
Value of primary products shipments made in this industry	\$1,000.. 4 219 042
Value of primary products shipments made in other industries	\$1,000.. 213 862
Coverage ratio	percent.. 95
Value added	\$1,000.. 2 592 543
Total inventories, beginning of year	\$1,000.. 614 756
Finished goods inventories	\$1,000.. 156 721
Work-in-process inventories	\$1,000.. 203 131
Materials and supplies inventories	\$1,000.. 254 904
Total inventories, end of year	\$1,000.. 575 023
Finished goods inventories	\$1,000.. 150 111
Work-in-process inventories	\$1,000.. 182 144
Materials and supplies inventories	\$1,000.. 242 768
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '1 572 388
Total capital expenditures (new and used)	\$1,000.. '105 313
Buildings and other structures (new and used)	\$1,000.. '16 062
Machinery and equipment (new and used)	\$1,000.. '89 251
Automobiles, trucks, etc., for highway use	\$1,000.. '8 875
Computers and peripheral data processing equipment	\$1,000.. '9 751
All other expenditures for machinery and equipment	\$1,000.. '70 625
Total retirements	\$1,000.. '103 059
Gross value of depreciable assets at end of year	\$1,000.. '1 574 642
Depreciation charges during year	\$1,000.. '95 582
Total rental payments	\$1,000.. 69 530
Buildings and other structures	\$1,000.. 36 320
Machinery and equipment	\$1,000.. 33 210
Total other expenses ⁴	\$1,000.. 353 632
Response coverage ratio ⁵	percent.. 80
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 40 909
Communications services ⁴	\$1,000.. 7 431
Legal services ⁴	\$1,000.. 6 361
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 734
Advertising and promotional services ⁴	\$1,000.. 6 712
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 4 093
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 404
Management consulting and administrative services ⁴	\$1,000.. 6 612
Taxes and license fees ⁴	\$1,000.. 10 138
All other expenses ⁴	\$1,000.. 264 239

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332420, Metal tank (heavy gauge) manufacturing											
All establishments	2	665	30 983	1 183 474	22 716	45 038	757 539	2 592 543	2 151 348	4 771 488	'105 313
Establishments with—											
1 to 4 employees	9	104	230	8 509	170	324	5 223	18 571	13 783	32 401	'425
5 to 9 employees	5	88	610	23 877	449	877	14 569	47 866	50 394	100 868	'1 183
10 to 19 employees	4	125	1 781	72 016	1 271	2 572	44 171	155 184	100 002	255 161	'5 634
20 to 49 employees	2	170	5 253	200 123	3 803	7 720	124 572	422 467	328 540	745 138	'24 986
50 to 99 employees	1	97	6 768	242 019	5 182	10 825	158 489	578 972	454 361	1 033 672	'23 366
100 to 249 employees	2	69	9 882	384 224	7 293	14 851	248 883	941 804	776 097	1 732 267	'35 317
250 to 499 employees	1	8	2 745	110 337	1 707	3 648	65 095	301 146	215 691	517 617	'7 530
500 to 999 employees	—	3	9	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	1	9	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	172	939	35 825	709	1 420	22 339	75 975	59 883	135 855	'1 840

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
332420	Metal tank (heavy gauge) manufacturing	665	30 983	1 183 474	22 716	45 038	757 539	2 592 543	2 151 348	4 771 488	'105 313
3324207	Gas cylinders	31	2 547	94 839	1 974	4 364	63 495	255 653	247 894	509 742	'14 161
3324209	Metal tanks, complete at factory (standard line pressure)	63	4 027	150 015	3 091	6 449	104 674	324 332	332 292	669 414	'15 145
332420C	Metal tanks, complete at factory (standard line nonpressure)	69	3 176	119 542	2 408	4 886	77 285	265 792	188 191	452 210	'8 489
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected	134	8 844	342 605	6 280	12 655	212 250	799 201	600 980	1 398 863	'33 224
332420G	Metal tanks and vessels, custom fabricated and field erected	78	8 562	330 646	6 135	11 038	210 484	638 909	554 811	1 205 192	'27 426

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332420	Metal tank (heavy gauge) manufacturing	2002.. N 1997.. N	X X	X X	4 432 904 4 480 384
3324207	Gas cylinders	2002.. N 1997.. N	X X	X X	492 351 508 097
33242071	Seamless gas cylinders, ferrous and nonferrous	2002.. N 1997.. N	X X	X X	492 351 498 719
3324207101	Seamless ferrous and nonferrous gas cylinders	2002.. 35 1997.. 13	X X	X X	252 392 259 533
3324207106	Welded ferrous and nonferrous gas cylinders	2002.. 12 1997.. 16	X X	X X	239 959 239 186
3324207Y	Gas cylinders, nsk	2002.. N 1997.. N	X X	X X	— 9 378
3324207YWV	Gas cylinders, nsk	2002.. N 1997.. N	X X	X X	— 9 378
3324209	Metal tanks, complete at factory (standard line pressure)	2002.. N 1997.. N	X X	X X	622 501 826 726
33242091	Pressure tanks, including liquified petroleum gas and air receivers, ferrous and nonferrous metal (standard line pressure)	2002.. N 1997.. N	X X	X X	622 501 826 726
3324209101	Liquefied petroleum gas tanks (all types), ferrous and nonferrous metal, complete at factory (standard line pressure)	2002.. 22 1997.. 20	X X	X X	258 098 265 530
3324209106	Air receivers (tanks), ferrous and nonferrous metal, complete at factory (standard line pressure)	2002.. 19 1997.. 20	X X	X X	126 128 163 374
3324209111	Other pressure tanks (including anhydrous ammonia tanks), ferrous and nonferrous metal, complete at factory (standard line pressure)	2002.. 71 1997.. 68	X X	X X	238 275 397 822
3324209Y	Metal tanks, complete at factory (standard line pressure), nsk	2002.. N 1997.. N	X X	X X	— —
3324209YWV	Metal tanks, complete at factory (standard line pressure), nsk	2002.. N 1997.. N	X X	X X	— —
332420C	Metal tanks, complete at factory (standard line nonpressure)	2002.. N 1997.. N	X X	X X	435 538 442 893
332420C1	Ferrous and nonferrous metal storage tanks, (standard line nonpressure)	2002.. N 1997.. N	X X	X X	434 963 442 352
332420C101	Ferrous metal storage tanks, complete at factory (standard line nonpressure), 4,000 gal capacity or less	2002.. 57 1997.. 84	X X	X X	140 832 162 701
332420C106	Nonferrous metal storage tanks, complete at factory (standard line nonpressure), 4,000 gal capacity or less	2002.. 23 1997.. 29	X X	X X	26 533 20 626
332420C111	Ferrous metal storage tanks, complete at factory (standard line nonpressure), more than 4,000 gal capacity	2002.. 51 1997.. 84	X X	X X	138 113 129 355
332420C116	Nonferrous metal storage tanks, complete at factory (standard line nonpressure), more than 4,000 gal capacity	2002.. 16 1997.. 25	X X	X X	21 746 28 328
332420C121	Other ferrous metal nonpressure storage tanks, complete at factory (including tanks for trailers, metal septic tanks, etc.)	2002.. 21 1997.. 52	X X	X X	68 471 68 241
332420C126	Other nonferrous metal nonpressure storage tanks, complete at factory (including tanks for trailers, metal septic tanks, etc.)	2002.. 17 1997.. 19	X X	X X	39 268 33 101
332420CY	Metal tanks, complete at factory (standard line nonpressure), nsk	2002.. N 1997.. N	X X	X X	575 541
332420CYWV	Metal tanks, complete at factory (standard line nonpressure), nsk	2002.. N 1997.. N	X X	X X	575 541
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected	2002.. N 1997.. N	X X	X X	1 364 505 1 443 424
332420E1	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity)	2002.. N 1997.. N	X X	X X	551 341 607 505
332420E101	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity), custom fabricated at the factory, for refineries, chemical plants, and paper mills	2002.. 70 1997.. 114	X X	X X	307 787 313 766
332420E106	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity), custom fabricated at the factory, for other processing industries	2002.. 46 1997.. 97	X X	X X	243 554 293 739
332420E2	All other metal tanks and vessels, custom fabricated at the factory	2002.. N 1997.. N	X X	X X	701 685 794 747
332420E211	Nonferrous metal process pressure vessels, tanks, and kettles for refineries, chemical plants, paper mills (more than 24 inch o.d. and not less than 5 cu ft cap.), custom fabricated at the factory	2002.. 35 1997.. 53	X X	X X	117 696 123 733
332420E216	Liquefied petroleum gas tanks, ferrous and nonferrous, custom fabricated at the factory	2002.. 10 1997.. 15	X X	X X	58 689 64 504
332420E221	All other ferrous metal tanks and vessels, custom fabricated at the factory	2002.. 62	X	X	424 665

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332420	Metal tank (heavy gauge) manufacturing—Con.				
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected—Con.				
332420E2	All other metal tanks and vessels, custom fabricated at the factory—Con.				
332420E221	All other ferrous metal tanks and vessels, custom fabricated at the factory—Con.				
	1997..	142	X	X	458 008
332420E226	All other nonferrous metal tanks and vessels, custom fabricated at the factory	2002..	X	X	100 635
	1997..	55	X	X	148 502
332420EY	Metal tanks and vessels, custom fabricated at the factory and field erected, nsk	2002..	X	X	111 479
	1997..	N	X	X	41 172
332420EYWV	Metal tanks and vessels, custom fabricated at the factory and field erected, nsk	2002..	X	X	111 479
	1997..	N	X	X	41 172
332420G	Metal tanks and vessels, custom fabricated and field erected	2002..	X	X	1 019 630
	1997..	N	X	X	913 689
332420G1	Ferrous and nonferrous metal bulk storage tanks, custom fabricated and field erected, elevated and ground storage types	2002..	X	X	622 344
	1997..	N	X	X	549 840
332420G101	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for dry materials	2002..	X	X	34 858
	1997..	14	X	X	23 563
332420G106	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for water	2002..	X	X	199 784
	1997..	12	X	X	173 674
332420G111	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for other liquids	2002..	X	X	87 100
	1997..	15	X	X	84 643
332420G116	Nonferrous metal bulk storage tanks, custom fabricated and field erected, elevated type	2002..	X	X	D
	1997..	3	X	X	14 377
332420G121	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for dry materials	2002..	X	X	D
	1997..	5	X	X	31 296
332420G126	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for petroleum products	2002..	X	X	84 702
	1997..	18	X	X	94 583
332420G131	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for water	2002..	X	X	66 526
	1997..	23	X	X	71 450
332420G136	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for other materials	2002..	X	X	58 300
	1997..	11	X	X	41 349
332420G141	Nonferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type	2002..	X	X	35 764
	1997..	7	X	X	14 905
332420G2	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for refineries, chemical plants, and paper mills	2002..	X	X	130 678
	1997..	N	X	X	133 607
332420G246	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for refineries, chemical plants, and paper mills	2002..	X	X	130 678
	1997..	22	X	X	133 607
332420G3	Ferrous and nonferrous metal pressure vessels and tanks, custom fabricated and field erected	2002..	X	X	219 023
	1997..	N	X	X	217 897
332420G351	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for other processing industries	2002..	X	X	136 787
	1997..	16	X	X	148 622
332420G356	Nonferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected	2002..	X	X	82 236
	1997..	22	X	X	69 275
332420GY	Metal tanks and vessels, custom fabricated and field erected, nsk	2002..	X	X	47 585
	1997..	N	X	X	12 345
332420GYWV	Metal tanks and vessels, custom fabricated and field erected, nsk	2002..	X	X	47 585
	1997..	N	X	X	12 345
332420W	Metal tank (heavy gauge) manufacturing, nsk, total	2002..	X	X	498 379
	1997..	N	X	X	131 588
332420WY	Metal tank (heavy gauge) manufacturing, nsk, total	2002..	X	X	498 379
	1997..	N	X	X	131 588
332420WYWW	Metal tank (heavy gauge) manufacturing, nsk, for nonadministrative-record establishments	2002..	X	X	369 514
	1997..	N	X	X	94 178
332420WYWY	Metal tank (heavy gauge) manufacturing, nsk, for administrative-record establishments	2002..	X	X	128 865
	1997..	N	X	X	37 410

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3324207	Gas cylinders	
	United States	2002 .. 492 351
		1997 .. 508 097
	Pennsylvania	2002 .. 40 077
		1997 .. N
3324209	Metal tanks, complete at factory (standard line pressure)	
	United States	2002 .. 622 501
		1997 .. 826 726
	California	2002 .. 10 620
		1997 .. 41 503
	Florida	2002 .. 13 894
		1997 .. N
	Idaho	2002 .. 4 966
		1997 .. N
	Illinois	2002 .. 42 123
		1997 .. 3 633
	Indiana	2002 .. 17 398
		1997 .. 55 672
	Iowa	2002 .. 14 786
		1997 .. N
	Kansas	2002 .. 3 842
		1997 .. 2 302
	Minnesota	2002 .. 30 685
		1997 .. N
	Missouri	2002 .. 3 986
		1997 .. 49 222
	Oklahoma	2002 .. 15 717
		1997 .. N
	Pennsylvania	2002 .. 12 231
		1997 .. 23 115
	Texas	2002 .. 29 948
		1997 .. 52 775
	Wisconsin	2002 .. 41 843
		1997 .. 76 646
332420C	Metal tanks, complete at factory (standard line nonpressure)	
	United States	2002 .. 435 538
		1997 .. 442 893
	California	2002 .. 18 716
		1997 .. 37 191
	Florida	2002 .. 12 627
		1997 .. 23 801
	Illinois	2002 .. 18 467
		1997 .. 28 900
	Kansas	2002 .. 11 329
		1997 .. N
	Kentucky	2002 .. 6 864
		1997 .. N
	Missouri	2002 .. 5 832
		1997 .. 24 276
	New York	2002 .. 3 565
		1997 .. 10 520
	North Carolina	2002 .. 9 646
		1997 .. 12 207
	Ohio	2002 .. 16 619
		1997 .. 14 151
	Pennsylvania	2002 .. 36 540
		1997 .. 27 301
	Tennessee	2002 .. 20 865
		1997 .. N
	Texas	2002 .. 20 363
		1997 .. 22 820
	Wisconsin	2002 .. 40 221
		1997 .. 35 788
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected	
	United States	2002 .. 1 364 505
		1997 .. 1 443 424
	Alabama	2002 .. 27 587
		1997 .. 43 580
	California	2002 .. 99 240
		1997 .. 108 563
	Florida	2002 .. 19 697
		1997 .. 20 321
	Georgia	2002 .. 97 435
		1997 .. 53 902
	Illinois	2002 .. 4 060
		1997 .. 38 135
	Indiana	2002 .. 30 595
		1997 .. 38 994
	Kentucky	2002 .. 2 508
		1997 .. 11 922
	Louisiana	2002 .. 16 090
		1997 .. 50 307
	Michigan	2002 .. 3 813
		1997 .. 10 557
	Minnesota	2002 .. 49 952
		1997 .. 63 904
	Missouri	2002 .. 34 744
		1997 .. 64 353
	New Jersey	2002 .. 49 792
		1997 .. 25 456
	New York	2002 .. 54 000
		1997 .. 59 373
	North Carolina	2002 .. 32 649
		1997 .. 18 496
	Ohio	2002 .. 52 050
		1997 .. 20 334
	Oklahoma	2002 .. 114 527

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
332420E	Metal tanks and vessels, custom fabricated at the factory and field erected—Con.	
	United States—Con.	
	1997..	41 336
Oregon	2002..	12 277
	1997..	12 404
Pennsylvania	2002..	108 978
	1997..	115 144
Tennessee	2002..	25 322
	1997..	84 408
Texas	2002..	168 603
	1997..	282 565
Washington	2002..	4 518
	1997..	11 188
Wisconsin	2002..	94 414
	1997..	42 575
332420G	Metal tanks and vessels, custom fabricated and field erected	
	United States	1 019 630
	1997..	913 689
California	2002..	60 534
	1997..	69 116
Florida	2002..	18 992
	1997..	8 680
Idaho	2002..	2 075
	1997..	N
Illinois	2002..	39 820
	1997..	2 399
Indiana	2002..	7 111
	1997..	18 456
Louisiana	2002..	31 020
	1997..	N
Minnesota	2002..	51 202
	1997..	24 659
New Jersey	2002..	8 601
	1997..	N
New York	2002..	9 789
	1997..	6 025
Oklahoma	2002..	48 189
	1997..	18 979
Oregon	2002..	2 712
	1997..	N
Pennsylvania	2002..	66 813
	1997..	100 517
Tennessee	2002..	23 004
	1997..	15 769
Texas	2002..	80 959
	1997..	101 286
Wisconsin	2002..	24 457
	1997..	18 579

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332420	Metal tank (heavy gauge) manufacturing		
00900001	Total materials .....2002..	X	1 825 887
	.....1997..	X	2 055 101
33290005	Fabricated metal pipe (excluding castings and forgings) .....2002..	X	89 289
	.....1997..	X	107 354
33291905	Fabricated metal valves and pipe fittings .....2002..	X	145 422
	.....1997..	X	145 405
332000A3	All other miscellaneous fabricated metal parts specially designed for steel power boilers (excluding castings and forgings) .....2002..	X	16 990
	.....1997..	X	16 867
33200042	All other fabricated metal products (excluding castings, forgings, fabricated metal pipe, valves, pipe fittings, and all other parts specially designed for steel power boilers) .....2002..	X	82 533
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	17 834
	.....1997..	X	17 777
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	N
33210000	Forgings .....2002..	X	26 361
	.....1997..	X	N
33120057	Steel bars and bar shapes (excluding concrete reinforcing bars, castings, forgings, and fabricated metal products) .....2002..	X	53 970
	.....1997..	X	53 227
33120016	Steel sheet and strip (including tinplate) .....2002..	X	158 474
	.....1997..	X	N
33120079	Steel plate .....2002..	X	266 885
	.....1997..	X	259 989
33120041	Wide flange steel structural beams .....2002..	X	14 804
	.....1997..	X	15 050
33120047	All other steel structural shapes (excluding sheet pilings, castings, forgings, and fabricated steel products) .....2002..	X	41 858
	.....1997..	X	45 540
33120039	All other steel shapes and forms, including sheet pilings (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	203 193
33142135	Copper and copper-base alloy pipe and tube (excluding castings, forgings, and fabricated metal products) .....2002..	X	2 872
	.....1997..	X	D
33142141	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	653
	.....1997..	X	1 693
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....2002..	X	30 251
	.....1997..	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	14 153
	.....1997..	X	36 021
33100067	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	28 074
	.....1997..	X	13 626
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	24 564
	.....1997..	X	N
33399203	Welding electrodes .....2002..	X	12 119
	.....1997..	X	27 505
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	324 293
	.....1997..	X	D
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	407 733
	.....1997..	X	135 583

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.